Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/01/2018 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126333	1	1.54	126194	1.56
Blue	F	SSC	125000	122874	-2	2.85	123191	2.59
Blue	E	FITC	23615	22831	-4	2.76	1014	10.84
Blue	D	PE	26739	26432	-2	2.19	948	9.91
Blue	B	PerCP-Cy5-5	48339	47262	-3	3.59	1366	17.56
Blue	A	PE-Cy7	45021	45294	0	5.44	694	38.29
Red	C	APC	53064	51439	-4	2.82	2962	9.47
Red	A	APC-Cy7	57175	56273	-2	2.98	1165	11.44
Violet	B	V450	14728	14023	-5	5.30	670	9.72
Violet	A	V500	58621	57282	-3	5.15	2526	7.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19845	2.81	614	0	N/A	N/A	Pass
Blue	F	SSC	60848	1.68	557	11	N/A	N/A	Pass
Blue	E	FITC	114	40.12	550	2	0.0186	138	Pass
Blue	D	PE	207	29.84	541	5	0.1631	274	Pass
Blue	B	PerCP-Cy5-5	211	46.27	640	5	0.0092	69	Pass
Blue	A	PE-Cy7	72	131.79	700	7	0.0103	16	Pass
Red	C	APC	339	28.53	597	0	0.0205	107	Pass
Red	A	APC-Cy7	127	40.81	582	2	0.0053	1478	Pass
Violet	B	V450	81	44.31	467	-3	0.0479	2271	Pass
Violet	A	V500	185	23.21	495	-2	0.0158	711	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.47	-31.02	0.94
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	17.22	14.40 - 21.60	N/A	N/A	30.90	31.32	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14465

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments